



North Carolina Department of Environment and Natural Resources

Division of Waste Management

Dexter R. Matthews
Director

Pat McCrory
Governor

John E. Skvarla, III
Secretary

September, 26, 2013

Mr. Jeff Clark
Cherokee County Solid Waste Director
75 Peachtree Street
Murphy, NC 28906

Re: Appendix II Groundwater Monitoring Modification Request
Cherokee County Closed Unlined Landfill, Permit #20-01

Dear Mr. Clark:

The Solid Waste Section (Section) has reviewed the *Request for Appendix II Groundwater Monitoring Modification* report prepared by Municipal Engineering Services, Compay, P.A, (MESCO). Assessment monitoring was re-instituted at all nine monitoring wells and three residential water supply wells in August 2010 due to elevated concentrations of volatile organic compounds (VOCs). Assessment monitoring currently includes analyzing samples for the full suite of Appendix II parameters in August and Appendix I plus Appendix II detects in February.

Based on current groundwater analytical data, the extent of contamination is defined since monitor wells MW-1, MW-5, and MW-6 are the only wells that appear to be impacted by the facility. These wells are located approximately 100 feet from the waste boundary and the extent of contamination does not appear to extend further beyond these wells. Appendix II constituents have not been reported at concentrations exceeding the groundwater quality standards established in 15A NCAC 2L 0202 (2L Standards) during the previous three years. In addition, groundwater flow velocity has been calculated at approximately 129 feet/year moving in a northwesterly direction towards Valley River. MESCO re-iterated that Cherokee County owns and controls all property located between the waste boundary and discharge feature and a municipal water supply is available to surrounding residences. As a result, MESCO has requested to reduce the frequency of Appendix II monitoring to once every three years.

Cherokee County's request to reduce the Appendix II monitoring frequency to once every three years is approved and additional modifications to the monitoring frequency will be considered depending on the results of the next Appendix II sampling event.

Please contact me at (919) 707-8288 or by e-mail at ervin.lane@ncdenr.gov if you have any questions or concerns regarding this letter. Thank you in advance for your anticipated cooperation in this manner.

Sincerely,

Ervin Lane
Hydrogeologist
Environmental Compliance
Solid Waste Section

cc: Jonathan Pfohl., Municipal Engineering Services Company, P.A.
Mark Poindexter, Field Operations Branch Head
Jason Watkins, Western District Supervisor
Troy Harrison, Environmental Senior Specialist
Solid Waste Central Files